



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
-----------------	-------------	----------------------	---------------------

08/897,217 07/14/97 DEAN

D P-2057/723

EXAMINER

LM01/0430

SCHWEGMAN LUNDBERG
WOESSNER & KLUTH PA
P O BOX 2938
MINNEAPOLIS MN 55402

ART UNIT

PAPER NUMBER

2755

DATE MAILED:

04/30/99

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trad marks

Office Action Summary

Application No.
08/897,217

Applicant(s)
Dawson F. Dean

Examiner
Lewis Bullock, Jr.

Group Art Unit
2755



☐ Responsive to communication(s) filed on _____

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

☒ Claim(s) 1-21 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

☐ Claim(s) _____ is/are allowed.

☒ Claim(s) 1-21 is/are rejected.

☐ Claim(s) _____ is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Applicant's Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been
☐ received.

☐ received in Application No. (Series Code/Serial Number) _____

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☒ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

Art Unit: 2755

DETAILED ACTION

Drawings

This application has been filed with informal drawings which are acceptable for examination purposes only. Formal drawings will be required when the application is allowed.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claim 1-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gadol in view of Cohen.

As to claim 1, Gadol teaches a method for serving remote procedure calls from an applet which executes within an applet viewer (browser) which in turn executes in a computer system (client) (Col. 6, lines 5-17), the method comprising; receiving from the applet a request (workflow request, 116) for a document (workflow courier 118-1) according to a document retrieval protocol (HTTP) implemented on a computer network (Col. 6, lines 19-46); determining that the request (workflow request, 116) specifies a function (go/wait/cancel) which is defined within a computer process (server application) executing independently of the applet and applet viewer (browser) (Col. 6, lines 21-46) and which includes one or more computer instructions

Art Unit: 2755

(program/workflow expert, 310-1a), execution of which performs a task which is unrelated to retrieval of any document specified in the request (check all values entered by the requestor/update the workflow courier/determine if actor has completed stage/query database server) (Col. 9, lines 3-60; Col. 10, lines 22-36); and executing the function (actor selects a field or option) to thereby cause execution of the one or more computer instructions (program/workflow expert, 310-1a) in response to receipt of the request (Col. 9, lines 13-25). However, Gadol does not teach the an applet running on the applet viewer.

Cohen teaches an applet running on the applet viewer (java virtual machine) (downloading of java files as well as the applet) which also executes instructions unrelated to retrieval of a document (instantiating a security manager object while downloading of class and applet files) (Col. 3, lines 30-35; Col. 3, line 50 - Col. 4, line 8). It would be obvious that if the applet is retrieving information (class files) it would first have to determine if it has the access privileges for using the communication protocol to process the request (checking the security manager). Therefore it would be obvious to one skilled in the art to modify the teachings of Gadol with the teachings of Cohen in order to facilitate the processing of applets through multiple communication protocols (Col. 1, lines 56-64).

As to claim 2, Gadol teaches the step of determining comprises: determining that the request includes a document specification (needed forms) which is in a portion of a name space (master document) reserved for function requests (go/wait/cancel options) (Col. 11, lines 8-42).

Art Unit: 2755

As to claim 3, Gadol teaches the step of returning result data (class file) produced by execution of the function (class request) to the applet (applet) (Col. 4, lines 44-67; Col. 5, lines 10-67).

As to claim 4, It would be obvious to one skilled in the art that if a browser was being returned data in an Internet environment it would have to form and receive a document in order to access it through a browser.

As to claim 5, Gadol teaches the document retrieval protocol is HTTP (Col. 4, lines 26-34).

As to claims 6-10, reference is made to a computer readable medium that correspond to the method of claims 1-5, and are therefore met by the rejections of claims 1-5 above.

As to claims 11-15, reference is made to a system that correspond to the method of claims 1-5, and are therefore met by the rejections of claims 1-5 above.

As to claim 16, Gadol teaches a method for serving remote procedure calls to an applet which executes within an applet viewer (browser) which in turn executes in a computer system (client) (Col. 6, lines 5-17), the method comprising: sending to a computer process (server

Art Unit: 2755

computer, 110-1) executing independently of the applet and applet viewer (browser) a request (workflow request, 116) for a document according to a document retrieval protocol (http) implemented on a computer network wherein the request includes data communicating to the computer process that the applet can receive at least one processing request (Col. 6, lines 19-46); receiving from the computer process (server, 110-1) at least a portion of the document (workflow courier, 118-1) requested by the request (workflow request, 116) (Col. 6, line 32-Col. 7, line 7; Col. 7, lines 15-37), a processing request (field or option) which specifies a function (Go/wait/cancel) which in turn (i) is defined within the applet (browser) and (ii) includes one or more computer instructions (code fragments, 144/ executing program/workflow expert, 310-1a) (Col. 9, lines 1-60); and executing the function (Go/wait/cancel) to thereby cause execution of the one or more computer instructions in response to receipt of the processing request (Col. 9, lines 13-25). However, Gadol does not teach an applet which executes within an applet viewer.

Cohen teaches an applet running on the applet viewer (java virtual machine) (downloading of java files as well as the applet) which also executes instructions (instantiating a security manager object while downloading of class and applet files) (Col. 3, lines 30-35; Col. 3, line 50 - Col. 4, line 8). It would be obvious that if the applet is retrieving information (class files) it would first have to determine if it has the access privileges for using the communication protocol to process the request (checking the security manager). Refer to claim 1 for the motivation to combine.

Art Unit: 2755

As to claim 17, Gadol teaches a method for serving remote procedure calls to an applet which executes within an applet viewer (browser) which in turn executes in computer system (client) from a computer process (server) executing independently of the applet and applet viewer (Col. 5, lines 13-30; Col. 6, lines 5-17), the method comprising: receiving from the applet (user controlling browser) a request for a document (workflow request, 116) according to a document retrieval protocol (HTTP) implemented on a computer network wherein the request includes data communicating to the computer process (server computer, 110-1) that the applet can receive at least one processing request (Col. 6, lines 19-46); sending to the applet (user controlling browser) at least a portion of the document requested by the request (workflow courier, 118-1) (Col. 6, line 32-Col. 7, line 7; Col. 7, lines 15-37), a processing request (field or option) which specifies a function (Go/wait/cancel) which in turn (i) is defined within the applet and (ii) includes one or more computer instructions (code fragments, 144/ executing program/workflow expert, 310-1a) (Col. 9, lines 1-60); and executing the function (Go/wait/cancel) to thereby cause execution of the one or more computer instructions in response to receipt of the processing request (Col. 9, lines 13-25). However, Gadol does not teach an applet which executes within an applet viewer.

Cohen teaches an applet running on the applet viewer (java virtual machine) (downloading of java files as well as the applet) which also executes instructions (instantiating a security manager object while downloading of class and applet files) (Col. 3, lines 30-35; Col. 3, line 50 - Col. 4, line 8). It would be obvious that if the applet is retrieving information (class files) it would first have to determine if it has the access privileges for using the communication protocol to

Art Unit: 2755

process the request (checking the security manager). Refer to claim 1 for the motivation to combine.

As to claims 18 and 19, references are made to a computer readable medium that correspond to the method of claims 16 and 17, and is therefore met by the rejections of claims 16 and 17 above.

As to claims 20 and 21, references are made to a system that correspond to the method of claims 16 and 17, and is therefore met by the rejections of claims 16 and 17 above.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lewis A. Bullock, Jr. whose telephone number is (703) 305-0439.



ALVIN E. OBERLEY
SUPERVISORY PATENT EXAMINER
GROUP 2700

lab

April 22, 1999